

*Updated & Interference Search*  
**EAST Search History**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	26	("4475976").URPN.	USPAT	OR	OFF	2007/02/06 15:22
L3	32	("2342988"   "2385083"   "2401299"   "2441097"   "2510215"   "2531218"   "2975476"   "2978376"   "3025208"   "3128322"   "3146143"   "3546740"   "3576930"   "3614811"   "3642975"   "3967996"   "4301099").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/06 15:27
L4	493	156/221.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/02/06 15:27
L5	571	156/222.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/02/06 15:27
L6	456	L4 not I5	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/02/06 15:27
L7	534	L5 not I4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/02/06 15:35
L8	3	("2418438").URPN.	USPAT	OR	OFF	2007/02/06 15:41
L9	2	(base and (mandrel with roller) and carriage).clm.	US-PGPUB	OR	OFF	2007/02/06 15:44
S1	0	"63432236"	USPAT	OR	OFF	2006/04/02 18:54
S2	1	"6432236"	USPAT	OR	OFF	2006/03/31 10:42
S3	3	("4704172"   "4713131"   "5039371").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/31 10:43
S4	10	("5039371").URPN.	USPAT	OR	OFF	2006/03/31 10:45
S5	1	"5954917"	USPAT	OR	OFF	2006/10/23 09:39
S6	6	("3041230"   "4259144"   "4475976"   "4726924"   "4867834").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/31 10:46
S7	0	("5954917").URPN.	USPAT	OR	OFF	2006/03/31 10:50

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S8	942	425/385.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/31 10:50
S9	837	425/394.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/31 10:50
S10	491	425/397.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/31 11:15
S11	593	425/403.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/31 10:50
S12	848	S8 not (S9 or S10 or S11)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/31 10:51
S13	720	S9 not (S8 or S10 or S11)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/31 10:53
S14	415	S10 not (S8 or S9 or S11)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/31 10:51
S15	511	S11 not (S8 or S9 or S10)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/31 11:29
S16	0	("2002/0089087").URPN.	USPAT	OR	OFF	2006/03/31 10:56
S17	7	("5102609").URPN.	USPAT	OR	OFF	2006/03/31 11:17
S18	9	("4475881").URPN.	USPAT	OR	OFF	2006/03/31 11:21
S19	2	("4052145").URPN.	USPAT	OR	OFF	2006/03/31 11:24
S20	1	("4205027").URPN.	USPAT	OR	OFF	2006/03/31 11:24
S21	94	"3995080" "3995081" "4475976" "5954917"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/06 13:11
S22	12	("2456005"   "2593714"   "2833682"   "3449482"   "3490983"   "3669158"   "3768760").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/31 11:33
S23	24	("2593714").URPN.	USPAT	OR	OFF	2006/03/31 11:35

## EAST Search History

S24	176	"2938566" "2979431" "4559005" "4946526" "5026447" "5043128" "4076873" "5137071" "5182060" "5211901" "5451377" "5484277" "5502886" "5538589" "5639410" "5681513" "5707576" "5820804" "5891379" "6355133"	USPAT	OR	OFF	2006/03/31 11:37
S25	11	("4132755"   "4305340"   "4755341"   "4915896"   "4942013"   "5015168"   "5242523"   "5242652"   "5451377"   "6406580"   "6666942").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/31 11:37
S26	9	("5015168").URPN.	USPAT	OR	OFF	2006/03/31 11:38
S27	2	("5622733").URPN.	USPAT	OR	OFF	2006/03/31 11:39
S28	15	("4151031"   "4198453"   "4512835"   "4559005"   "4645549"   "4780261"   "4789594"   "4847118"   "5076873"   "5093158"   "5340520"   "5665191"   "5783279"   "5948509"   "6112409").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/31 11:42
S29	34	("4151031").URPN.	USPAT	OR	OFF	2006/03/31 11:48
S30	2	("5076873").URPN.	USPAT	OR	OFF	2006/03/31 11:51
S31	13	("0479999"   "4329194"   "4758294"   "4894102"   "4992228"   "5080748"   "5123985"   "5129813"   "5137071"   "5201981"   "5217766"   "5252164").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/31 11:54
S32	5	("5882462").URPN.	USPAT	OR	OFF	2006/03/31 11:55
S33	17	("2210985"   "2586481"   "3477894"   "3990935"   "4381212"   "4510010"   "4642087"   "5351615"   "5543199"   "5843355"   "5882462"   "6006806"   "6170549"   "6173496").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/31 11:56
S34	3	("2586481").URPN.	USPAT	OR	OFF	2006/03/31 11:57
S35	1	("2210985").URPN.	USPAT	OR	OFF	2006/03/31 11:58
S36	12	("20020167113"   "3956447"   "4657717"   "4683018"   "4986865"   "5199595"   "5292475"   "5368807"   "5464341"   "5772950"   "5882462"   "6458308").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/31 11:59
S37	11	("3956447").URPN.	USPAT	OR	OFF	2006/03/31 12:03
S38	8	("5707576").URPN.	USPAT	OR	OFF	2006/03/31 12:05
S39	2	("5211901").URPN.	USPAT	OR	OFF	2006/03/31 12:07
S40	20	("5043128").URPN.	USPAT	OR	OFF	2006/03/31 12:13

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## EAST Search History

S41	1	"FR 1554899"	EPO; DERWENT	OR	OFF	2006/03/31 12:17
S43	251	425/374.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/31 16:02
S44	11	("3775529"   "4028036"   "4186166"   "4271111"   "4298555"   "4496504"   "5133915"   "5435951"   "Re27109").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/31 16:04
S45	105	("0623695"   "0739276"   "1295636"   "1447699"   "1548783"   "1548788"   "1548789"   "1550084"   "1554246"   "1571594"   "1582839"   "1582840"   "1582841"   "1582842"   "1582843"   "1601633"   "1627966"   "1630320"   "1667292"   "1676655"   "1680203"   "1680797"   "1686388"   "1689037"   "1690172"   "1690411"   "1701685"   "1702166"   "1751471"   "1764676"   "2196006"   "2224713"   "2245014"   "2425207"   "2623572"   "2793418"   "2814332"   "2851206"   "2915109"   "2917784"   "2938568"   "2958608"   "3022545"   "3260778"   "3353222"   "3383449"   "3390218"   "3400193"   "3639955"   "3800373"   "3806406"   "4033709"   "4090385"   "4142278"   "4422892"   "4432927").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/31 16:06
S46	12	("2915109").URPN.	USPAT	OR	OFF	2006/03/31 16:08
S47	2	("6071458").URPN.	USPAT	OR	OFF	2006/03/31 16:14
S48	13	("0479999"   "4329194"   "4758294"   "4894102"   "4992228"   "5080748"   "5123985"   "5129813"   "5137071"   "5201981"   "5217766"   "5252164").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/31 16:33
S49	4	"6050315"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/31 16:33

## EAST Search History

S50	29	("3551237"   "3574040"   "3772126"   "3962393"   "4137354"   "4248649"   "4470860"   "4508584"   "4633632"   "4735672"   "4872619"   "4877193"   "4907754"   "4938824"   "4943338"   "5015326"   "5045147"   "5110395"   "5145543"   "5173315"   "5200251"   "5233737"   "5290389"   "5472553"   "5698066"   "5814386"   "5871117").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/31 16:34
S51	1	"6145891"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/31 16:35
S52	2	"6149851"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/31 16:35
S53	3	("4704172"   "4713131"   "5039371").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/02 19:33
S54	10	("4704172").URPN.	USPAT	OR	OFF	2006/04/02 19:33
S55	0	("5954917").URPN.	USPAT	OR	OFF	2006/04/02 19:39
S56	0	("5954917").URPN.	USPAT	OR	OFF	2006/04/02 19:39
S57	6	("3041230"   "4259144"   "4475976"   "4726924"   "4867834").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/02 19:39
S58	0	("6701990").URPN.	USPAT	OR	OFF	2006/04/03 14:44
S59	9	("4475881").URPN.	USPAT	OR	OFF	2006/04/03 14:56
S60	0	US2001001409	US-PGPUB	OR	OFF	2006/04/03 14:57
S61	0	"US 2001001409"	US-PGPUB	OR	OFF	2006/04/03 14:58
S62	0	"US 2001001409 A1"	US-PGPUB	OR	OFF	2006/04/03 14:59
S63	0	"2001001409"	US-PGPUB	OR	OFF	2006/04/03 14:59
S64	32	Mclarty	US-PGPUB	OR	OFF	2006/04/03 15:02
S65	261920	Gardner, et "al."	US-PGPUB	OR	OFF	2006/04/03 15:02
S66	6291	Gardner	US-PGPUB	OR	OFF	2006/04/03 15:04
S67	307	Gardner and Price	US-PGPUB	OR	OFF	2006/04/03 15:18
S68	49	"3477894" "5843355" "5543199" "5882462" "6006806" "6173496" "5351615"	USPAT	OR	OFF	2006/04/03 15:18
S69	16	("3969473").URPN.	USPAT	OR	OFF	2006/04/03 15:20

## EAST Search History

S70	29	("2938566" "2979431" "20010001409" "20020144401" "20030079825" "3995080" "3995081" "4475976" "4559005" "4946526" "4997510" "5026447" "5043128" "5076873" "5137071" "5182060" "5211901" "5451377" "5484277" "5502886" "5538589" "5543199" "5639410" "5681513" "5707576" "5738749" "5820804" "5882462" "5891379" "5954917" "6355133" "6432236").PN.	USPAT	OR	OFF	2006/10/23 09:47
S71	1	"6432236"	USPAT	OR	OFF	2006/10/23 09:47
S72	0	("6432236").URPN.	USPAT	OR	OFF	2006/10/23 09:47
S73	3	("4704172"   "4713131"   "5039371").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/23 09:47
S74	10	("5039371").URPN.	USPAT	OR	OFF	2006/10/23 09:48
S75	3	("4704172"   "4713131"   "5039371").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/23 09:49
S76	3	("2586481").URPN.	USPAT	OR	OFF	2006/10/23 10:45
S77	1	"20020144401"	US-PGPUB	OR	OFF	2006/10/23 10:47
S78	5	"4502200"	USPAT	OR	OFF	2006/10/23 10:47
S79	1	"6432236"	USPAT	OR	OFF	2007/02/05 14:12
S80	5	"5954917"	USPAT	OR	OFF	2007/02/05 16:12
S81	11	"5738749" "4997510"	USPAT	OR	OFF	2007/02/05 16:13
S82	1	(base and mandrel and carriage and roller and force).clm.	US-PGPUB	OR	OFF	2007/02/06 13:11
S83	5	(base and mandrel and roller and force).clm.	US-PGPUB	OR	OFF	2007/02/06 13:12
S84	4	(base and (mandrel with roller) and force).clm.	US-PGPUB	OR	OFF	2007/02/06 15:44

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